

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-7. (Cancelled)

8. (Currently Amended) ~~The~~A transducer-supporting structure ~~according to claim 7,~~
comprising:

a transducer for recording and reproducing information to and from a medium;

a transducer mounting section mounted with said transducer and configured to contact
said medium by means of mechanical action or to maintain a fixed distance from said medium;

a suspension which supports said transducer mounting section and elastically positions
said transducer in a direction so as to move said transducer to and from said medium; and

a thermal coupling member extending between said transducer and said suspension for
thermally coupling said transducer with said suspension,

wherein said thermal coupling member is a gel-form substance, said transducer and said
suspension being coupled thermally with each other via said gel-form substance,

at least a part of heat generated in said transducer is dissipated through said suspension
via said gel-form substance, and

said transducer is an electromagnetic transducer.

9. (Currently Amended) ~~The~~A transducer-supporting structure ~~according to claim 7,~~
comprising:

a transducer for recording and reproducing information to and from a medium;

a transducer mounting section mounted with said transducer and configured to contact said medium by means of mechanical action or to maintain a fixed distance from said medium;

a suspension which supports said transducer mounting section and elastically positions said transducer in a direction so as to move said transducer to and from said medium; and

a thermal coupling member extending between said transducer and said suspension for thermally coupling said transducer with said suspension,

wherein said thermal coupling member is a gel-form substance, said transducer and said suspension being coupled thermally with each other via said gel-form substance,

at least a part of heat generated in said transducer is dissipated through said suspension via said gel-form substance,

said transducer is arranged on a medium side of said suspension, and

said transducer is an electro-optical transducer.

10-13. (Cancelled)